(19) World Intellectual Property Organization

International Bureau



I CERTA BUNDEN DE BORNE HEID BODH BEFOR BUN I DEN BODER HOER BORNE BODD DE BEBEUR DE BORNE DE REFORME DE REFORM

(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/010573 A1

(51) International Patent Classification⁷: G03F 7/00

G02B 3/00,

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(21) International Application Number:

PCT/IL2004/000678

(22) International Filing Date:

25 July 2004 (25.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/490,655

24 July 2003 (24.07.2003) US

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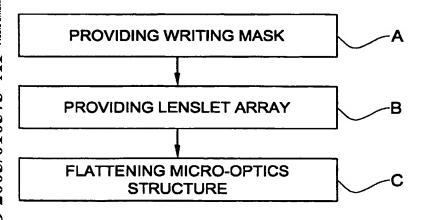
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PRODUCTION OF MICRO-OPTICS STRUCTURES



(57) Abstract: A novel method for fabricating a micro-optics structure, having at least one lenslet array, is presented. A writing mask is provided being configured in accordance with an arrangement of the lenslet array to be manufactured. writing mask is applied to a structure formed by a photosensitive layer of a predetermined thickness carried by a substrate, and the photosensitive layer is exposed through the writing mask using a predetermined spectral range of the exposure and a predetermined distance between the mask and said photosensitive layer, to thereby pattern the photosensitive layer through a

diffractive optical element of said mask. The so-obtained pattern is in the form of optical nonhomogeneities in the photosensitive layer material, defining the lenslet array within the photosensitive layer.

